

Title (en)
IMPROVEMENTS TO TOILET TANK FLUSH SYSTEMS

Title (de)
VERBESSERTE SPÜLKASTENSYSTEME

Title (fr)
PERFECTIONNEMENTS DES CHASSE-D'EAU DE WC

Publication
EP 1598490 B1 20100303 (EN)

Application
EP 04706192 A 20040129

Priority
• ES 2004000036 W 20040129
• ES 200300300 A 20030206

Abstract (en)
[origin: EP1598490A1] The improvements are centered on a new arrangement and coupling of several floating parts with retaining means of the overflow tube (20) in order to keep it in a stable position, either during partial flushing and/or during total flushing. <??>The invention is also centered on the particular structure of the base hood (1) that is coupled to the outlet of the water from the tank. <??>It is important to point out that the new floating parts are easily adaptable to different flushers of toilet tanks. <??>Other improvements are centered on the off-center duct (24) integral to a bridge support and to the structure of a particular part connected to the flushing device, at the same time that the duct also acts as a guide of the overflow tube (20) along its top edge. <IMAGE>

IPC 8 full level
E03D 1/14 (2006.01); **E03D 1/33** (2006.01)

CPC (source: EP ES)
E03D 1/144 (2013.01 - EP ES); **E03D 1/33** (2013.01 - EP ES)

Cited by
EP2098649A3; EP2098649A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1598490 A1 20051123; EP 1598490 B1 20100303; AT E459763 T1 20100315; CN 1771371 A 20060510; CN 1771371 B 20101229; DE 602004025795 D1 20100415; ES 2244272 A1 20051201; ES 2244272 B2 20060316; ES 2342063 T3 20100701; MA 27617 A1 20051101; MX PA05008291 A 20060321; PT 1598490 E 20100602; TN SN05191 A1 20070611; WO 2004070124 A1 20040819

DOCDB simple family (application)
EP 04706192 A 20040129; AT 04706192 T 20040129; CN 200480009373 A 20040129; DE 602004025795 T 20040129; ES 04706192 T 20040129; ES 200300300 A 20030206; ES 2004000036 W 20040129; MA 28420 A 20050804; MX PA05008291 A 20040129; PT 04706192 T 20040129; TN SN05191 A 20050805